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June 18, 2010

Addendum No. 2

to

Invitation For Bid dated May 17, 2010,
for the Hub Signage Program Phase III: Procurement and Installation

Dear Contractor:

This letter is Addendum No. 2 to the Hub Signage Program Phase III: Procurement and Installation Invitation For Bid (IFB) dated May 17, 2010, as amended by Addendum #1, dated June 7, 2010. Where text is revised, deleted text is shown in strike-through format; added text is *italicized*. The IFB is revised as follows:

<u>Addendum Item</u>	<u>Reference</u>	<u>Change</u>
1	Letter of Invitation, Minimum Qualifications, Page 2 and Invitation For Bid, Section III, Special Conditions, Article A, Bidder's Qualifications, Page 8	Minimum Qualifications 3 and 4 listed above may be met by the Bidder or Bidder's subcontractor.
2	Letter of Invitation, Specifications and Schedule, Page 3	Paragraph 3: The Contractor selected as a result of this IFB shall begin work <i>upon written notice of award of contract by the MTC Contract Manager.</i> on or as soon after July 15, 2010 as possible; construction must be completed by February 28, 2011. <i>Prototype development for all signs shall commence upon the date of written notice of award of contract, to be completed within forty-five (45) calendar days. Upon written notice of the acceptance of prototypes, fabrication of all signs shall commence, to be completed within forty-five (45) calendar days. Installation of signs at all hubs must be complete and accepted by the MTC Contract Manager or his designee by February 28, 2011.</i>

<u>Addendum Item</u>	<u>Reference</u>	<u>Change</u>
3	Invitation For Bid, Section III. Special Conditions, Article H. Scheduling, Page 10	<i>The MTC Contract Manager and Contractor will participate in a project kick-off meeting within fourteen (14) calendar days of written notice of award of contract. The Contractor shall submit to the MTC Contract Manager a practicable draft progress schedule at the project kick-off meeting for discussion and a final schedule within seven (7) calendar days of the meeting. The Contractor may furnish the schedule in a form of its choice or, if requested, the MTC Contract Manager will furnish a schedule form for the Contractor's use. The schedule shall show the order in which the Contractor proposes to carry out the work and the start and end dates of significant work tasks including, but not limited to, signage prototype development, fabrication and installation by hub. The Contractor shall furnish to the MTC Contract Manager and the Hub Project Managers, on or before the last day of each month, a copy of the schedule showing the status of work actually completed. The Contractor shall not commence work at any given hub until a kick off meeting between the Contractor, MTC's Contract Manager, and that Hub's Project Manager(s) is held. The meeting times and dates shall be established by the MTC Contract Manager. Contractor must complete all work specified in Appendix A, Specification, by January 31, 2011 by February 28, 2011.</i>
4	Invitation For Bid, Section III. Special Conditions, Page 13	<i>S. Liquidated Damages</i> <i>Time is of the essence in this project. Contractor's failure to install signage by February 28, 2011 or such date as may be revised by Purchase Order amendment will result in damages being sustained by MTC. It is impractical and infeasible to determine the actual amount of damage caused by such delay. Therefore, Liquidated Damages, not as a penalty, at the rate of one thousand dollars (\$1,000) per day will be assessed for every working day after the scheduled completion date of February 28, 2011, wherein signage has not been completely installed at all hubs and signed off by the MTC Contract Manager or his designee.</i>

<u>Addendum Item</u>	<u>Reference</u>	<u>Change</u>
5	Invitation For Bid, Appendix A Specifications, Article VIII.2 Warranty, Page 17	Last Sentence: Contractor shall fully warrant all materials and equipment furnished under the terms of this contract, against poor <i>workmanship</i> and inferior quality, for a period of not less than ten (10) seven (7) years from date of the final acceptance by <i>the MTC Contract Manager</i> .
6	Appendix A-1, Design Documents, Technical Specifications, I. Part 1 – General, Page 2	Paragraph 3: As detailed in Table A-1.2: Summary of Sign Quantities , the scope of work includes the base bid for wayfinding and transit information signage and provides the option for MTC to purchase additive alternate Tier 2 and Tier 3 signs, <i>as well as additional signs</i> , at guaranteed prices for a period of two years <i>one hundred eighty (180) calendar days</i> following <i>written</i> acceptance of <i>installation of signage of Contractor bid</i> by MTC Contract Manager <i>at the final hub completed by Contractor</i> . Contractor selection shall be determined by lowest base-bid price listed in Section I, Price Quotation on Appendix B, Bid Form. MTC shall, at its sole discretion, determine whether to exercise purchase of any combination of additive alternate signs.
7	Appendix A-1, Design Documents, Technical Specifications, I. Part 1 – General, C. Project Payment, Page 3	Third Sentence: Payment per hub shall be made at two milestones: 1) <i>upon acceptance by the MTC Contract Manager of fabrication/purchase/delivery of all signage (as confirmed by delivery of approved signs to the project site or location specified by the Hub Project Manager)</i> acceptance of completion of fabrication of all signage for that hub ; and 2) <i>upon acceptance by the MTC Contract Manager of installation of all signage at acceptance of completion of installation of all signage for that hub</i> . Payment shall be for all base bid signs shown on the project plans as summarized in Table A-1.2.

<u>Addendum Item</u>	<u>Reference</u>	<u>Change</u>
8	Appendix A-1, Design Documents, Technical Specifications, I. Part 1 – General, I. Warranty, Page 8	<p>1. The Contractor shall provide a 10 <i>seven (7)</i> year written warranty for all static-signs against fading, chipping, peeling, and any type of weathering. The signs shall have a temperature range of –65° F. to +200° F. and shall be resistant to steam, acids, aromatics, scratching, ink, stickers, adhesives, and paint. All markings, inks, or paints shall be readily removed with soap and water or environmentally safe solvents without harm to the signs.</p> <p>2. The Contractor shall provide <i>a seven (7) year written warranty</i> the manufacturer's standard warranty or a one year warranty from date of acceptance by the MTC Contract Manager of installation of signage invoice against defects in materials, <i>equipment</i> and workmanship, whichever is greater.</p>
9	Appendix A-1, Design Documents, Technical Specifications, II. Part 2 Production Material and Processes, B. Pedestrian Directional Signs, Item 3c, Page 11	Panel Material: White translucent acrylic sheet – <i>Aluminum Sheet</i>
10	Appendix A-1, Design Documents, Technical Specifications, II. Part 2 – Product Materials and Processes, B. Pedestrian Directional Signs, 11. Submittals, b. Samples, d. Prototype, Page 13	<p>Last Sentence: Either deliver prototypes to location indicated by the MTC Contract Manager or designee or make <i>them</i> available it for MTC Contract Manager or designee's review at Contractor or fabricator's facility within the nine-county San Francisco Bay Area 50 miles from Oakland, CA. <i>The Contractor may also elect to have the prototype signs approved at a Manufacturer's facility outside the nine-county San Francisco Bay Area. If travel outside the nine-county San Francisco Bay Area is required to approve prototype signs, the Contractor shall budget and pay to accommodate three (3) MTC Contract Manager representatives including all reasonable costs for travel (airfare, car rental, taxis, public transit, parking, etc.), meals (\$40 per person per day), hotel, and other expenses. Travel arrangements will be made by</i></p>

<u>Addendum Item</u>	<u>Reference</u>	<u>Change</u>
10, Continued		<i>MTC Contract Manager representatives, and reimbursed by Contractor within 30 days of invoice submittal. MTC shall incur no costs for approving prototype signs outside the Bay Area. Multiple trips may be necessary before approval is given and should be budgeted accordingly.</i>
11	Appendix A-1, Design Documents Type T (TID) Design Plans (e.g. San Francisco 4 th and King Station Plan set, Sheet C010, Detail A; change is applicable to all references to the same TID detail within all of the Hub plan sets)	Vertical Support At Center
12	Invitation For Bid, Appendix B, BID FORM, Page 20	Appendix B, Bid Form, is deleted in its entirety and replaced with the attached. NOTE: The only changes are in: Section I, Price Quotation, to further specify payment terms; and Section V, Minimum Qualifications, to specify that Qualifications 3 and 4 may be met by the Bidder or Bidder's subcontractor.

The remaining provisions of the Invitation For Bid, dated May 17, 2010, and Addendum #1 dated June 7, 2010, remain unchanged. In the event of a conflict between this addendum and the previous version(s), this addendum shall take precedence.

Questions and Answers from the Proposer's Conference on June 11, 2010, as well as submitted Requests For Information (RFIs), are attached.

Any questions concerning this addendum to the IFB should be directed to Jay Stagi, MTC Contract Manager, at (510) 817-5808 or jstagi@mtc.ca.gov.

Sincerely,


Steve Heminger
Executive Director

SH: JS

APPENDIX B, BID FORM

The undersigned Bidder agrees he/she will contract with MTC to provide all necessary labor, supervision, machinery, tools, apparatus and other means of construction to do all the work and furnish all the materials specified in the contract, or as necessary to provide a complete installation in the manner and time therein prescribed, and that he/she will take in full payment the amount set forth hereon.

The cost of all labor, material, and equipment necessary for the completion of the work, shall be included in the price shown hereon.

I. PRICE QUOTATION

Provide signage fabrication/purchase, and installation costs for each hub location. Contractor must complete Sign Price tables in Section II of the Bid Form prior to completion of Price Quotation tables, as Per Hub costs in the Price Quotation table below shall be consistent with the Sign Type Price tables. Note: *For each hub*, Contractor will be paid the firm fixed costs listed below in two installments: 1) upon acceptance *by the MTC Contract Manager* of fabrication/purchase/delivery of all signage (as confirmed by delivery of approved signs to the project site or location specified by Hub Project Manager); and 2) upon acceptance *by the MTC Contract Manager* of installation of all signage.

LOCATION	EXTENDED SIGNAGE FABRICATION / PURCHASE COSTS	EXTENDED SIGNAGE INSTALLATION COSTS	TOTAL SIGNAGE COSTS *
Fairfield Transportation Center			
Great America Station			
Mountain View Caltrain Station			
Palo Alto Caltrain Station			
San Francisco 4th and King Caltrain Station			
San Jose Diridon Caltrain Station			
Total Costs for all Six (6) Hub Locations:			

*Includes all costs (labor, materials, equipment, shipping, disposal fees and all applicable surcharges such as taxes, shipping, permit/license, other disposal, travel, insurance, overhead and profit, indirect and direct fees, etc.)

Note - All construction must be completed by February 28, 2011

The award, if an award is made, will be to the responsible Bidder submitting the lowest responsive bid for all work and materials, as indicated in the "Total Costs for all Six (6) Hub Locations" space above.

II. SIGN TYPE COSTS PER LOCATION

Bidder shall provide fabrication/purchase costs for each sign below. Sign quantities are based on the design drawings; any differences between tables 1-6 below and the design drawings shall be rectified through application of the per sign costs identified below. In addition, MTC reserves the right to purchase additional signs (additives) based on the corresponding prices below.

Table 1. Fairfield Transportation Center		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID – Horizontal	0					
A2	Transit Center ID - Vertical Large	0					
A3	Transit Center ID - Vertical Small	0					
A4	Transit Center ID - Custom (Site Specific)	1					
C1	Transit Connections - Suspended	2					
C2	Transit Connections - Wall Mounted	0					
C3	Transit Connections - Flag Mounted	1					
C4	Transit Connections - Freestanding	1					
C5	Transit Connections - Wall Mounted Tunnel	0					
I	Transit Information - Flag	1					
K	Transit Information - Wayfinding Kiosk	3					
T	Transit Information Displays (TIDS)	6					
	TOTAL*	15	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

Table 2. Great America Station		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID - Horizontal	0					
A2	Transit Center ID - Vertical Large	0					
A3	Transit Center ID - Vertical Small	0					
A4	Transit Center ID - Custom (Site Specific)	1					
C1	Transit Connections - Suspended	0					
C2	Transit Connections - Wall Mounted	0					
C3	Transit Connections - Flag Mounted	5					
C4	Transit Connections - Freestanding	0					
C5	Transit Connections - Wall Mounted Tunnel	3					
I	Transit Information - Flag	1					
K	Transit Information - Wayfinding Kiosk	2					
T	Transit Information Displays (TIDS)	9					
	TOTAL*	21	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

Table 3. Mountain View Caltrain Station		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID - Horizontal	0					
A2	Transit Center ID - Vertical Large	0					
A3	Transit Center ID - Vertical Small	0					
A4	Transit Center ID - Custom (Site Specific)	1					
C1	Transit Connections - Suspended	0					
C2	Transit Connections - Wall Mounted	0					
C3	Transit Connections - Flag Mounted	6					
C4	Transit Connections - Freestanding	0					
C5	Transit Connections - Wall Mounted Tunnel	0					
I	Transit Information - Flag	1					
K	Transit Information - Wayfinding Kiosk	2					
T	Transit Information Displays (TIDS)	6					
	TOTAL*	16	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

Table 4. Palo Alto Caltrain Station		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID - Horizontal	0					
A2	Transit Center ID - Vertical Large	3					
A3	Transit Center ID - Vertical Small	2					
A4	Transit Center ID - Custom (Site Specific)	0					
C1	Transit Connections - Suspended	1					
C2	Transit Connections - Wall Mounted	11					
C3	Transit Connections - Flag Mounted	0					
C4	Transit Connections - Freestanding	4					
C5	Transit Connections - Wall Mounted Tunnel	1					
I	Transit Information - Flag	3					
K	Transit Information - Wayfinding Kiosk	2					
T	Transit Information Displays (TIDS)	8					
	TOTAL*	35	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

Table 5. San Francisco 4 th & King Caltrain Station		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID - Horizontal	0					
A2	Transit Center ID - Vertical Large	0					
A3	Transit Center ID - Vertical Small	0					
A4	Transit Center ID - Custom (Site Specific)	2					
C1	Transit Connections - Suspended	2					
C2	Transit Connections - Wall Mounted	11					
C3	Transit Connections - Flag Mounted	0					
C4	Transit Connections - Freestanding	2					
C5	Transit Connections - Wall Mounted Tunnel	0					
I	Transit Information - Flag	5					
K	Transit Information - Wayfinding Kiosk	2					
T	Transit Information Displays (TIDS)	12					
	TOTAL	36	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

Table 6. San Jose Diridon Caltrain Station		A	B	C = A x B	D	E = A x D	F = C + E
Sign Type	Description	Number of Signs	Cost Per Unit	Extended Signage Fabrication / Purchase Costs	Installation Cost per Unit	Extended Signage Installation Costs	Total Extended Costs
A1	Transit Center ID - Horizontal	1					
A2	Transit Center ID - Vertical Large	0					
A3	Transit Center ID - Vertical Small	0					
A4	Transit Center ID - Custom (Site Specific)	0					
C1	Transit Connections - Suspended	0					
C2	Transit Connections - Wall Mounted	3					
C3	Transit Connections - Flag Mounted	2					
C4	Transit Connections - Freestanding	3					
C5	Transit Connections - Wall Mounted Tunnel	0					
I	Transit Information - Flag	1					
K	Transit Information - Wayfinding Kiosk	4					
T	Transit Information Displays (TIDS)	4					
	TOTAL*	18	N/A		N/A		

* The costs listed in this row shall match the costs inserted for this location in Section I Price Quotation.

III. MANUFACTURER & MODEL NUMBER

Bidder must state the manufacturer's name and model number of each item proposed. Please attach this information to this bid form, where applicable.

Bidder may recommend alternate equipment as long as the alternate equipment provides the performance requirements detailed in *Appendix A, Scope of Work*. Bidder must list any alternate equipment bid in detail in spreadsheet format.

IV. NEW AND UNUSED

Unless specifically provided to the contrary, all material and equipment shall be new and unused and of the current production year. Bids that are received for other than the current production year or for items and materials that have been previously used will be rejected.

V. MINIMUM QUALIFICATIONS:

Check either yes or no for each question.

Yes

No

1. Is your business licensed under the provisions of Chapter 9, Division 3 of the Business and Professions Code of the State of California to do the type of work contemplated in the project?		
2. Does your company possess a valid Contractor's Class B or Class C-45 License issued by the Contractor's State License Board at the time of your bid submission?		
3. Does your company have five (5) years experience in the manufacture of architectural signage and information systems?		
4. Has your company completed two (2) projects of similar size and scope to the project described herein this IFB within the last five (5) years?		

Minimum Qualifications 3 and 4 listed above may be met by the Bidder or Bidder's subcontractor.

VI. DESIGNATION OF SUBCONTRACTORS IN COMPLIANCE WITH THE SUBLETTING AND SUBCONTRACTING FAIR PRACTICES ACT

Bidder shall completely fill in the form below for each proposed subcontract in excess of one-half percent of Bidder's Total Contract Price, in compliance with the Public Contract Code of the State of California, Sections 4100-4114.

[illegible]

VII. SIGNATURE OF AUTHORIZING OFFICIAL:

Name of Bidding Company	
Address	
Email	
Phone Number	
Fax Number	
License Number and Type	
By signing below you acknowledge and agree to provide the required services, and comply with all the terms and conditions (including all applicable insurance and bonding requirements) listed in this IFB.	
Representative Name and Title	
Name of Authorizing Official	
Authorized Signature	

(Attach a copy of your standard warranty to this Appendix Bid Form)

VIII. NON-COLLUSION DECLARATION:

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

_____, declares that he or she is
(Bidder's Name)

_____ of _____,
(Title) (Company's Name)

the party making the foregoing bid, that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix to the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

I certify (or declare) under penalty or perjury under the laws of the State of California that the foregoing is true and correct.

Type/Print Appropriate Name, Title

Signature

Date

Hub Signage Program Phase III – Invitation For Bid
Questions and Answers from
Mandatory Bidder’s Conference 2
on June 11, 2010

Q1. Who is installing signs at San Francisco 4th and King Station?

A1. All installation work at this station will be completed by the Contractor except the Kiosk signs within City of San Francisco right-of-way which will be installed by San Francisco Municipal Transportation Agency (SFMTA). The Contractor will furnish those kiosks to SFMTA.

Q2. Who were the attendees at the first Bidder’s Conference?

A2. The list of all attendees at the Bidder’s Conferences held on June 1, 2010 and June 11, 2010 is as follows:

Company	Representative	Telephone	Email
Arrow	Tim Haines	510 533-7693	thaines@arrowsigncompany.com
Yesco	Tom Anderson	510 877-7815	tanderson@yesco.com
Fluoresco	Jared Burns-Coffin	510 633-4153	Jburns-coffin@fluoresco.com
C. Sandidge & Associates	Cherene Sandidge Cherisse Sandidge	415 287-1537	sandidgeo@aol.com
Monster Route	Sai Chang	650 368-1628	sai@monsterroute.com
Tube Art Group	Brian Hopkins	206 223-1122	bhopkins@tubeart.com
directsignoutlet	Michael Martin	415 642-5900	Michael@directsignoutlet.com
AGI	Maria Valenzuela	757 427-1900	mbaldwin@agisign.com

Q3. On Page 2 of the IFB, please clarify Minimum Requirement #3.

A3. The firm that fabricates the signs (either the Contractor or the Contractor’s sub) must have been manufacturing architectural signs and information systems (and demonstrate that in the bid) for at least five (5) years. See Addendum #2 to the IFB.

Q4. Are there any existing signs that are good examples of what is expected on this project?

A4. The Embarcadero BART Station in San Francisco was a Pilot Deployment for some of these signs. The mezzanine level of the BART station (underground, but outside the paid station area) includes examples of suspended Transit Connections (Type C1) signs, Transit Information Displays or TIDs (Type T) and Information Flag (Type I) signs. Wayfinding Kiosk (Type K) signs are street-level above the BART station. Bidders are encouraged to visit the Embarcadero BART Station to view the types of signs expected for this project, recognizing that some improvements to the signs have been made since the Pilot and are reflected in the Technical Specifications. For example, the Information Flag signs above the TIDs cases at the Embarcadero Station are only two-sided, but this IFB requires three-sided Information Flag (wall-mounted cube) and four-side Information Flag (cube mounted on TID structure) signs. Also, a variety of improvements were made to the Wayfinding Kiosk design. Finally, MTC would like to

point out that while some of the signs at the Embarcadero BART Station are internally illuminated, none of the signs in this project will be illuminated or require electrical.

Q5. Who manufactured the signs at the Embarcadero BART Station?

A5. Martinelli Environmental Graphics manufactured the suspended Transit Connections signs. Forms+Surfaces manufactured the Wayfinding Kiosks. Monster Route manufactured the Solar Wayfinding Kiosk near the Ferry Terminal which is NOT part of the Technical Specifications.

Q6. Where is it indicated which sign locations reuse the existing sign cases and where existing equipment needs to be removed?

A6. This information is indicated in the plans in the notes section. See answer to Q10 of *Mandatory Bidder's Conference 2 Questions and Answers*.

Q7. Can requests for clarification (RFIs) be emailed to MTC?

A7. Yes, RFIs can be emailed. All correspondence must be directed to the MTC Contract Manager or his designee. All RFIs in regards to Bid submission for this IFB must have been submitted by 4:00 p.m. on June 15, 2010.

Q8. What is the process for selecting the winning bid?

A8. Contractor Selection is detailed at the top of page 4 of the IFB Letter of Invitation. Written Notice of Award will be provided to the winning bidder by the MTC Contractor Manager or designee.

Q9. On Page 20 of the IFB, when will the Fabrication/Purchase payment be made?

A9. Payment will be made when confirmation has been received that the Contractor has delivered approved signs to the project site (or location specified by the Hub Project Manager) for which payment is requested and the signs have been accepted by the MTC Contract Manager or his designee. See Addendum #2 to the IFB.

Q10. Can you identify the sign locations (and quantity) that require removal or relocation?

A10. The notes section of the plans for each hub identifies which signs require removal and relocation. The following is a summary for the six (6) hubs:

Hub	Existing Signs to be Removed, but NOT Relocated	Existing Signs to be Removed AND Relocated	Total Existing Signs Affected
Fairfield	0	0	0
Great America	2	0	2
Mountain View	0	0	0
Palo Alto	9	8	17
San Francisco – 4 th and King	0	0	0
San Jose Diridon	5	0	5
Total	16	8	24

Q11. How long must the bid prices be valid for Tier 2 and Tier 3 signs?

A11. Bid Prices for Tier 2 and 3 signs as well as additional signs MTC may choose to purchase and install shall be valid for a period of one hundred eighty (180) days after written acceptance of installation of signage by the MTC Contract Manager or his designee at the final hub completed by Contractor. See Addendum #2 to the IFB.

Q12. How can you tell if a sign is one-sided or two-sided?

A12. The plans show arrows on each sign that designates how many faces are required. The exception to this notation is the Information Flag signs. See answer to Q4 of *Mandatory Bidder's Conference 2 Questions and Answers*.

Q13. What additional engineering is required by the Contractor?

A13. As shown in the plans, the Contractor is required to verify sidewalk depths and confirm overhead sign mounting supports at each station and, as part of the material submittal for anchor bolts, provide this information to support the anchor bolts proposed for use. Anchorage for Hub ID signage (both foundation and overhead attachments) needs to be engineered with calculations by the Contractor. The engineering calculations shall confirm that all proposed foundations, anchoring and mounting assemblies and existing sidewalk depths for the hub signs will accommodate the various loads including appropriate wind and weight loads.

Q14. Have the plans been approved by the cities?

A15. Representatives of each of the six (6) cities wherein the hubs are located participated in the planning process, and concurred with the design, message, and placement of those signs within their jurisdiction. As per the IFB, the Contractor is required to obtain and pay for any permits required by the cities for sign installation.

Q15. Are electronic files available for modification of anchorage details?

A15. Yes. These files are available from MTC upon request.

Q16. What is the required finish of the overhead signs?

A16. Refer to Appendix A-1, Design Documents, Technical Specifications II, Part 2, Section B. Pedestrian Directional Signs, Item 4 Aluminum Finishes (Page 11):

- “4.a. Paint or powder coat finish, at fabricator’s option.
- 4.b. Paint Finish: Acrylic polyurethane paint as specified here in.
- 4.c. Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils. Comply with coating manufacturer’s written instructions for cleaning, conversion coating, and applying and baking finish.
- 4.d. Color and Gloss: 1. Typical: Black, satin gloss”

Q17. Who provides the printed materials?

A17. MTC provides all printed materials displayed inside the Wayfinding Kiosks and the TIDs through its vendor AC Transit.

Q18. Where will prototype signs be approved?

A18. The Contractor may elect to have the prototype signs approved at the project site or at the Manufacturer's facility. If travel outside the nine-county San Francisco Bay Area is required to approve the signs at a Manufacturer's facility, the Contractor shall budget to accommodate 3 MTC Contract Manager representatives. MTC shall not incur any costs for travel, meals, hotel, or any other expenses associated with approving prototype signs outside the Bay Area. Multiple trips may be necessary before approval is given. Prototype signs, as approved by MTC Contract Manager or designee, can be installed in the field as part of this project. See Addendum #2 to the IFB.

Q19. The following question was asked at the June 1, 2010 Bidder's Conference and is being restated because there was an error in MTC's answer: Is there a special reason for the project to be completed by February 28, 2011?

A19. Time is of the essence. The project must be complete by February 28, 2011 (not 2010).

**Hub Signage Program Phase III – Invitation For Bid
Requests for Information (RFIs) and MTC Response
June 18, 2010**

- Q1. Can you provide a better drawing for the electrical page E001 for the San Francisco location? The map is hard to read.**
- A1. Clarification on electrical drawings is unnecessary, as there is NO electrical work to be done under the Scope of Work for this project.
- Q2. Warranty – the project calls out for a 10 year warranty. Can you please define and confirm what the warranty covers? For example the specs call out for Matthews paint. Matthews will only offer a 5 year warranty so are you asking the manufacturer to cover the remaining 10 years? This also applies to vinyl graphics. Typically we see 2-3 year warranty at the longest and can provide up to a 7 year warranty on workmanship.**
- A2. MTC will accept a warranty for materials, equipment and workmanship for a period of seven (7) years. See Addendum #2 to the IFB.
- Q3. Permits – Please verify that the Contractor is to include labor to pull the existing permit as well as cover the cost of the permit? Would it be possible to take the actual permit cost out of the job and create an allowance for it since this fixed cost will be hard to estimate?**
- A3. Labor to pull permits and permit fees is the responsibility of the Contractor, and costs for this must be factored into the Bid submission.
- Q4. Please verify that no signs are illuminated**
- A4. There will be no illuminated signs under this contract. The design documents for San Francisco 4th and King Caltrain Station contain a reference to an illuminated Hub ID sign on GR02. This reference is in error. See Addendum #1 to the IFB.
- Q5. Prototypes – Please verify that we can use the prototypes (if approved) on the project.**
- A5. Yes, where possible and if approved by the MTC Contract Manager.
- Q6. Maps and Fair Schedules – Please verify that owner is providing these.**
- A6. Yes, MTC is providing maps and fare schedules. See answer to Q17 of *Mandatory Bidder's Conference 2 Questions and Answers*.
- Q7. Bid Date – the current bid date is a Monday at 10am. Is there any chance we can move this to Wednesday / Thursday at 10am?**
- A7. Bids must be submitted to MTC by 4:00 p.m. on June 28, 2010.
- Q8. Prevailing Wage Rates – there is no current classification for sign installation under the www.ca.dir.gov (CA Department of industrial relations website). We know to use the electrical inside wireman rate for the electrical work. We typically use the Construction specialist group 3 under General laborer classification for this type of work. Please clarify that this ok with MTC or provide another classification if required?**

- A8. There will be no electrical work under the Scope of Work for this project. The exact rates will vary depending on the type of work, and where and when work is performed. For example, if an employee is performing work as a laborer during regular work hours on a Monday, in Santa Clara County, under group 3, the prevailing wage that will apply is \$41.95.
- Q9. Do we have the liberty of changing the extrusion materials / displays / or methods of attachment (particularly the flex joints for the hanging signs) for any of the signs?**
- A9. There will be no substitutions or deviations from the Technical Specifications for the Bid package. Some revisions may be allowed in the development of submittals, and will be considered on a case-by-case basis. MTC is open to considering modifications that will improve the functionality, integrity and appearance of the signs, although proposed revisions should be limited.
- Q10. Are the octagon concrete rings being provided in the false ceiling for the suspended signs?**
- A10. No. This is the responsibility of the Contractor.
- Q11. Sign types I on details page C005 – Are the flag / wall mounted signs cube shaped with equal size sides? Do they have faces on 2, 3, or 4 sides?**
- A11. Wall-mounted Information Flag (Type I) signs will have 3 sides with the “i” symbol. All sides will be equal in size since the sign is a cube in shape.
- Q12. Are the noted drain channels required? And, if so, do they need to be stainless steel?**
- A12. The drain channels are required and shall be aluminum.
- Q13. Sign type K – The outer mast tube is noted as being aluminum. The base plate is noted as being stainless. We can not weld aluminum to stainless. Does the aluminum outer mast tube slide over a stainless steel mounting tube not shown on the prints? Please clarify attachment.**
- A13. The aluminum outer mast tube slides over the stainless steel mounting tube that is not shown in Detail B in the hub design plans for Wayfinding Kiosk (Type K) signs and will not be welded to the steel baseplate. Per Detail D in the hub design plans for Wayfinding Kiosk (Type K) signs, a 3” SCH 40 Pipe will be shop welded to the base plate. Per the Technical Specifications, II. Part 2 – Product Material and Processes, Wayfinding Kiosks, Section 2.b (pg 16): “Internal Pipe Sleeve – 3” SCH 40 stainless steel (welded to stainless steel base plate)...” The 3.5” Aluminum Outer Mast Tube will be slipped over the internal stainless steel pipe.
- Q14. The call out for the finish is “powder coat anodized silver and green” - Is this a powder coated finish or anodized finish? Can Matthews Paint be used?**
- A14. Per the Technical Specifications, II. Part 2 – Product Material and Processes, Wayfinding Kiosks, Section 4 (page 15): the main body shall have an anti-graffiti polyester powder coat and the color shall match Anodized Silver. Matthews Paint may be used if it meets these criteria.
- Q15. Page C008 (SF drawings) – What is the size of the Information Flag (Type I) sign? Drawings illustrate 2 different sizes.**

- A15. The dimensions of Information Flag (Type I) signs are 1'-2" (width) by 1'-2" (depth) by 1'-2" (height).
- Q16. Page C010 (SF drawings) – Please clarify the thickness of the TIDs glass.**
- A16. The thickness of the TIDs glass is 1/4".
- Q17. Page C010 (San Francisco 4th and King Design Plans) – the prints call out a 1/4" stainless steel backer with eased edges. Can we use a thinner material with eased edges?**
- A17. A thinner backing will not be allowed. Backing of 1/4" is the thinnest that will be accepted.
- Q18. Wherever there is exposed stainless: what is the desired finish? i.e. the fabricated letters for SF and for Fairfield. What is the desired finish for the support pipes and such for several of the sign types?**
- A18. Stainless steel fabricated letters should have a horizontal fine grain satin finish. All Stainless steel support pipes should also have a fine grain satin finish (all welds ground smooth). All Aluminum supports should be painted with a high performance polyurethane or powdercoat.
- Q19. Using the San Francisco 4th & King Design Plans as the reference: Regarding TID's structures that will accommodate a Real Time display in the future, sheets C008 and C009 need clarification on what is to be included. Clarification of what to include in this bid – and what is included and what is not included - as it relates to the pre-wiring, and mounting brackets Sheet C009 detail C. Do we need to pre-wire and "install waterproof grommet" like it calls out – or is that part of the future scope. Do we include the custom horizontal cross brackets ahead of time that would eventually receive a real time display – or is that part of the real time display scope?**
- A19. The real-time displays and related components are NOT part of this contract. This includes all mounting brackets, conduits, grommets, wiring and horizontal cross brackets. However, the Contractor is responsible for providing calculations to confirm the pole and base for TIDs will accommodate the future real-time display. The assumptions for the real time displays are a 50" diagonal screen with an integrated controller in a waterproof case, and with a total weight of 250 lbs. The minimum height of the display is indicated in the plans.
- Q20. Using the San Francisco 4th & King Design Plans as the reference; Sheet C010, Detail A: the call out "vertical support at center" points to a dashed line – please clarify what is intended here. These cases are 1/4" thick stainless and won't need vertical supports – but maybe there is something else that was trying to be conveyed there.**
- A20. The vertical support is no longer needed with a stainless steel case. See Addendum #2 to the IFB.
- Q21. Using the San Francisco 4th & King Design Plans as the reference; Sheet C010, Details C and D: call outs in question: "provide 1" thick backing spacer inside case for printed graphic mounting surface typical" questions this invokes: What is the graphic to be made out of – so that we can verify the intent or what material and color or finish this backer is to be. i.e. these can be printed graphics with a protective laminate – and adhered to an aluminum substrate. Bart has done these in a baked porcelain enamel that creates a permanent virtually indestructible product that doesn't even need protection in a case, but**

the image is very costly and you only want to do this if the information doesn't change frequently.

- A21. The TID maps will be printed on resin-coated semi-matte micropore paper. Please see answer to Q17 of *Mandatory Bidder's Conference 2 Questions and Answers*.
- Q22. Using the San Francisco 4th & King Design Plans as the reference; Sheet C010, Details C and D: call outs in question: "provide 1" thick backing spacer inside case for printed graphic mounting surface typical" questions this invokes: How often might these images need to be changed?**
- A22. Graphic image updates may be performed as frequently as quarterly. However, per answer to Q17 of *Mandatory Bidder's Conference 2 Questions & Answers*, AC Transit will update this information under contract to MTC. See answer to Q21 of *Request for Information (RFIs) and MTC Response*.
- Q23. Using the San Francisco 4th & King Design Plans as the reference; Sheet C010, Details C and D: call outs in question: "provide slip and hold clip in display case to attach printed graphic typical." This call out ties into same need for clarification. Please clarify this. Figuring out what type of graphic is going to put in will drive what how to best mount the graphics as there are several ways to do this. We have samples and ways to accomplish this – that could be discussed best in person if needed. i.e. the graphic can also be put into a nice stainless or powder coated hinging snap frame that is contained within the overall stainless cabinet. Etc.**
- A23. There will be no substitutions or deviations from the Specifications for the Bid package. After award of contract, MTC Contract Manager may consider modifications on a case-by-case basis that will improve the functionality, integrity and appearance of the signs; however, proposed revisions should be limited in number.
- Q24. Using San Francisco 4th & King Design Plans as the reference; Sheet C010, Details C and D: call out in question: "provide slip and hold clip in display case to attach printed graphic typical." Perhaps a generic aluminum backer is put in – until what type of graphic is figured out?**
- A24. See answer to Q22 of *Request for Information (RFIs) and MTC Response*.
- Q25. Are there existing TID's at any locations that we can survey for clarification? San Jose seems to refer to an existing display that stays in place – is this a TID that matches the new spec?**
- A25. See answer to Q4 of *Mandatory Bidder's Conference 2 Questions and Answers*.
- Q26. Palo Alto Sign 008-PA. Note 9 on C001 of the Palo Alto Design Plans refers to a 2-sided structure with a Sign Type I Transit Information Flag installed above center pole. Detail A/C010 seems to show this sign, without reference to the number of sides. Details E & F/C011 show a double-sided TID case without referencing any sign. Answer 8 in Addendum #1 states that all TIDs are single-sided. How many double-sided TIDs are in the program?**
- A26. Answer 8 of the June 1, 2010 Mandatory Pre-Bid Conference Q&A document was incorrect. There is only one double-sided TID structure in the IFB and it is Palo Alto Sign 008-PA. The

structure shall be assembled according to Detail A, Sheet C010 of the Palo Alto Design Plans using TID cases as shown in Details E and F of sheet C011.

- Q27. Appendix A-1: Technical Specification Table A-1.2: Summary of Sign Quantities (Page 4) indicates there are eight TID display panels at Palo Alto. Note 6 on C001 indicates that sign 010 has 4 panels. Per Answer #8 in Addendum #1, Sign 008-PA would have two double sided panels. If this is the case, what is the desired backing material?**
- A27. Contractor shall propose a backing material with sufficient strength to support TID graphic material without warping or distortion. Backing shall be recommended by manufacturer for this type of application. See Addendum #2 of IFB.
- Q28. Referring to the Technical Specifications II, Part 2, Section B. Pedestrian Directional Signs, Subparagraph 3c. (Page 11) "Panel Material: White acrylic sheet". Does this mean that the faces for non-illuminated Type A monuments are acrylic? The drawings only refer to an aluminum face for one A4 wall mount sign at Great America. This specification covers the Type C signs, which are clearly aluminum faced in their drawings, but the drawings for the A monuments do not call out the face material.**
- A28. This subparagraph should read "Panel Material: Aluminum Sheet." See Addendum #2 of IFB.
- Q29. I believe the faces should be .125" aluminum, but the specifications are still ambiguous: Technical Specifications II. Part 2. Production Material and Processes, Section B. Pedestrian Directional Signs, Subparagraph 3d, (Page 11) "...Opaque areas of exterior sign panels shall be painted." Does this mean that the graphics are painted with MAP as well? This will be very expensive and impossible to guarantee uniformity on all the various Ax and Cx signs. Printed opaque vinyl with the GPS vinyl overlay seems like a much better solution, but the customer should clarify this to all bidders.**
- A29. The first part of this question is not clear; however, for Type C signs (Transit Connections (Pedestrian Directional)), the sign face should be .125" thick aluminum. The background for Type C signs is to be painted (black) with masked and sprayed rules (white) when required (rules apply to sign types C3, C4, and C5 only). Letters, arrows and symbols are to be computer cut vinyl (fabricators refer to this as GSP - Gerber Scientific Products). Printed opaque vinyl with computer cut vinyl overlay is not acceptable.